WPX Premium Wall Packs

RAB

WPX1   WPX2

WPX3

Field-adjustable wall packs

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

10 NO COMPROMISE YEAR WARRANTY

DLC LISTED PREMIUM

UL CERTIFIED

KEY FEATURES

- **Premium** wall pack available in three different sizes and selectable wattages:
  WPX1: 30/20/15W
  WPX2: 80/60/40W
  WPX3: 130/100/65W
- CCT Adjustable: **3000/4000/5000K**
- Selectable **on/off** photocell
- **120-277V** & **480V**
- **0-10V** dimming standard
- **Battery backup** available for 120-277V models
- Available with **smart controls**. Multi-sensor remote sold separately

IP65				
IP RATING	FIELD ADJUSTABLE	0-10V	100,000 HRS	WET RATED

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for wet location

DLC Listed
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

MODEL#	DLC ID
WPX1	S-MW1VZF
WPX2	S-QGK4HV
WPX3	S-10CCLB
WPX2/480	S-CK3MPC
WPX3/480	S-NQRGMQ

LED CHARACTERISTICS

LEDS
Long-life, high-efficacy, surface-mount LEDs

CONSTRUCTION

IP Rating
Ingress protection rating of IP65 for dust and water

Cold Weather Starting
Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature
Suitable for use in up to 40°C (104°F)

Cold Weather Starting Temperature for Battery Backup
Minimum starting temperature is 1°C (33.8°F)

Maximum Ambient Temperature for Battery Backup
Suitable for use in up to 60°C (140°F)

Housing
Precision die-cast aluminum housing and door frame

Mounting
Hinged wiring access and conduit entries on the back sides, top and bottom make installation a snap

Lens
Borosilicate glass

Gasket
High-temperature silicone gasket

Reflector
Aluminum

Green Technology
Mercury and UV free. RoHs-compliant components.

Finish
Formulated for high durability and long lasting color

WPX Premium Wall Packs

TECHNICAL SPECIFICATIONS

ELECTRICAL

Drivers:
Constant Current, Class 2, 120-277V, 50/60 Hz

WPX1-30W: 0.28A at 120V, 0.14A at 208V, 0.13A at 240V, 0.12A at 277V
WPX1-20W: 0.22A at 120V, 0.10A at 208V, 0.8A at 240V, 0.7A at 277V
WPX1-15W: 0.14A at 120V, 0.7A at 208V, 0.6A at 240V, 0.5A at 277V

WPX2-80W: 0.66A at 120V, 0.39A at 208V, 0.33A at 240V, 0.30A at 277V
WPX2-60W: 0.48A at 120V, 0.29A at 208V, 0.25A at 240V, 0.23A at 277V
WPX2-40W: 0.34A at 120V, 0.19A at 208V, 0.17A at 240V, 0.16A at 277V

Constant Current, Class 1, 120-277V, 50/60 Hz

WPX3-130W: 1.10A at 120V, 0.63A at 208V, 0.55A at 240V, 0.48A at 277V
WPX3-100W: 0.84A at 120V, 0.48A at 208V, 0.42A at 240V, 0.37A at 277V
WPX3-65W: 0.55A at 120V, 0.32A at 208V, 0.27A at 240V, 0.26A at 277V

Constant Current, Class 2, 480V, 50/60 Hz

WPX2-80W: 0.18A at 480V
WPX2-60W: 0.14A at 480V
WPX2-40W: 0.11A at 480V

Constant Current, Class 1, 480V, 50/60 Hz

WPX3-130W: 0.30A at 480V
WPX3-100W: 0.25A at 480V
WPX3-65W: 0.18A at 480V

THD
WPX1-30W: 2.8% at 120V, 20.6% at 277V
WPX1-20W: 3.2 at 120V, 11.9% at 277V
WPX1-15W: 5.1% at 120V, 9.3% at 277V

WPX2-80W: 2.5% at 120V, 3% at 277V
WPX2-60W: 2% at 120V, 12% at 277V
WPX2-40W: 2% at 120V, 3.7% at 277V

WPX2-80W: 7.2% at 480V
WPX2-60W: 10.6% at 480V
WPX2-40W: 16.1% at 480V

WPX3-130W: 4.1% at 120V, 7.2% at 277V
WPX3-100W: 4.4% at 120V, 8.9% at 277V
WPX3-65W: 5.1% at 120V, 12.2% at 277V

WPX3-130W: 13.3% at 480V
WPX3-100W: 14.6% at 480V
WPX3-65W: 17.9% at 480V

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

ELECTRICAL

Power Factor
WPX1-30W: 99.7% at 120V, 93.5% at 277V
WPX1-20W: 99.6 at 120V, 90.2% at 277V
WPX1-15W: 98.9% at 120V, 81.6% at 277V

WPX2-80W: 99.7% at 120V, 95% at 277V
WPX2-60W: 99.6% at 120V, 91% at 277V
WPX2-40W: **99.**2% at 120V, 84.8% at 277V

WPX2-80W: 91.3% at 480V
WPX2-60W: 85.8% at 480V
WPX2-40W: 78.2% at 480V

WPX3-130W: 99.8% at 120V, 95.9% at 277V
WPX3-100W: 99.7% at 120V, 93.7% at 277V
WPX3-65W: 99.3% at 120V, 87% at 277V

WPX3-130W: **90**% at 480V
WPX3-100W: 87% at 480V
WPX3-65W: 79.9% at 480V

Photocell
Selectable On/Off Photocell included

Emergency Light Loss Factor
WPX2: 0.08
WPX3: 0.073

Surge Protection
WPX1/WPX2: 4/4kV
WPX3: 6/6kV

Note
All values are typical (tolerance +/- 10%)

FIELD ADJUSTABLE

Adjustable CCT: 3000K/4000K/5000K (factory default 4000K)
Selectable Wattage:
WPX1: 30W/20W/15W (factory default 30W)
WPX2: 80W/60W/40W (factory default 80W)
WPX3: 130W/100W/65W (factory default 130W)

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TECHNICAL SPECIFICATIONS (CONTINUED)

LIGHTCLOUD (OPTIONAL)

Lightcloud Controller Installed:
- Integrated/embedded networked lighting control
- Luminaire-level lighting control
- Fixture, Zone, and plug-load control from one powerful device
- LLLC - Capable of switching, 0-10V dimming, power/energy monitoring
- Can also be used to extend the range of Lightcloud
- Mesh network communication protocols
- Offers the capability to set the maximum light output to a less-than-maximum state of an individual luminaire at the time of installation or commissioning. The High-End Trim functionality is field reconfigurable via the Lightcloud mesh network communication protocols.
- The Lightcloud Controller can be attached to the fixture, junction box, or electrical panel
- DLC system - N1XMLOEATBA
- Communication Protocol: Zigbee
- Line of Sight: 1,000 feet

Obstructions: 100 feet

Lightcloud Blue Installed

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patent-pending Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.
DLC system - N1XMLOEATBA
Learn more at www.Lightcloud.com"

Gateway Required: No

Communication Protocol:

Bluetooth Mesh

Range:

Up to 60 feet between standard building materials
Up to 200 feet clear line of sight

Spacing Criteria

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooh Mesh network.

Factory Reset :

To reset the device to factory settings and into pairing mode locate the device identification button at the top of the Controller under the Lightcloud logo. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 5x.

MICROWAVE OCCUPANCY SENSOR (OPTIONAL)

- 12VDC Input, IC Solution
- On/off control
- Operating Voltage: 10-15V
- Detection Area: 25%/50%/75%/100%
- Microwave Frequency: 5.8GHz ± 75MHz
- Hold Time: 5 sec/30 sec/1 min/10 min/20 min/30 min
- Microwave Power: <0.3mW
- Switching Capacity: <40mA
- Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
- Mounting Height: 2.5 - 4.5 m/8.2 - 14.76 ft
- Operating Current: < 30mA
- Stand-by Period: 0 sec/10 sec/30 sec/1 min/5 min/10 min/+∞
- Detection Range: 3 - 7 m/ 9.84 - 22.96 Ft
- Control Method: 0-10V
- Stand-by Dimming Level: 10%/20%/30%/50%
- Detection Angle: 360° (Ceiling Mounted)
- Operating Temperature: -35°C to 70°C

Factory Default Setting:
- Detection area 100%
- Hold time 5sec
- Daylight threshold Disable
- Stand-by period 0 sec
- Stand-by dimming level 10%.

PERFORMANCE

Lifespan
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

OTHER

Warranty

The RAB 10-year, no-compromise warranty covers light output, color stability, driver performance, paint finish and labor. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the BUY American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.
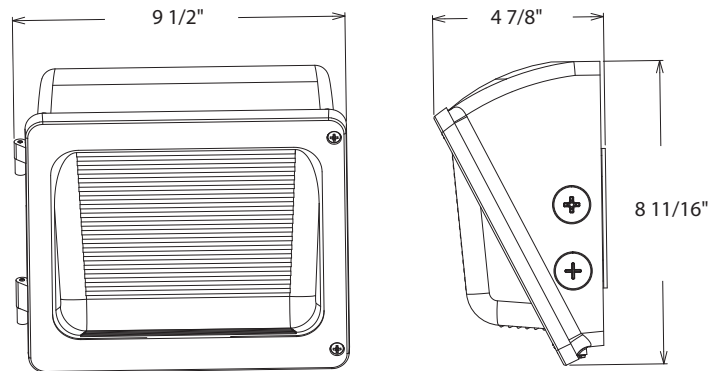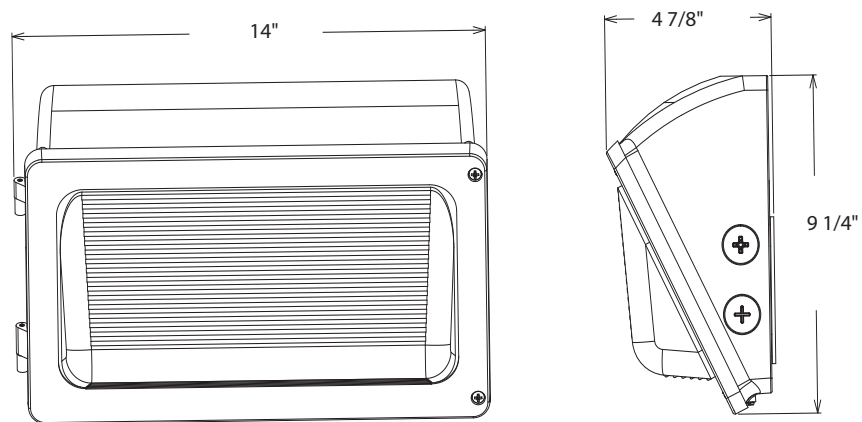
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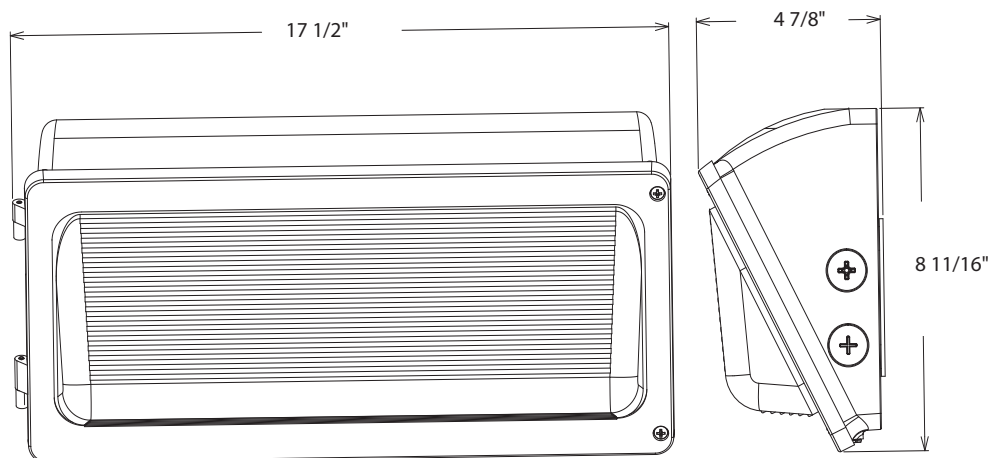
DIMENSIONS

WPX1

Weight:

9 1/2"

4 7/8"

8 11/16"

WPX2

Weight:

14"

4 7/8"

9 1/4"

WPX3

Weight:

17 1/2"

4 7/8"

8 11/16"

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PERFORMANCE

WPX1 (30/20/15W)	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		30W			20W			15W	
Input Watts	33.2W	32.4W	33.3W	26.5W	26W	26.6W	17.9W	17.7W	17.9W
Lumens	4,470	4,739	4,619	3,648	3,818	3,764	2,497	2,575	2,562
Efficacy	134.6	146.3	138.7	137.7	146.8	141.5	1389.5	145.5	143.1
CRI	82	84	82	82	84	82	82	84	83
Voltage Ratings					120-277V				

WPX2 (80/60/40W)	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		80W			60W			40W	
Input Watts	79W	76.6W	79.3W	57.5W	56W	57.8W	40W	39.3W	40.1W
Lumens	10,592	11,353	11,042	8,052	8,463	8,386	5,789	5,996	5,982
Efficacy	134.1	148.2	139.2	140	151.1	145.1	144.7	152.6	149.2
CRI	82	84	83	82	84	83	83	84	83
Voltage Ratings					120-277V				

WPX2 (80/60/40W)	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		80W			60W			40W	
Input Watts	79.8W	77.2W	80.1W	59.2W	57.6W	59.4W	42.5W	41.6W	42.6W
Lumens	10,744	11,465	11,183	8,248	8,639	8,553	6,033	6,238	6,227
Efficacy	134.6	148.5	139.6	139.3	150	144	142	150	146.2
CRI	82	84	83	82	84	83	83	84	83
Voltage Ratings					480V				

WPX3 (130/100/65W)	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		130W			100W			65W	
Input Watts	131.2W	126.1W	19.6W	100.2W	97W	99.2W	65.8W	64.2W	65.2W
Lumens	17,057	18,635	18,047	13,753	14,761	14,468	9,509	10,042	10,026
Efficacy	130	147.8	139.3	137.3	152.2	145.8	144.5	156.4	153.8
CRI	83	86	85	83	86	85	8/3	86	85
Voltage Ratings					120-277V				

WPX3 (130/100/65W)	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage		130W			100W			65W	
Input Watts	130.7W	125.6W	129.2W	102.8W	99.4W	101.7W	69.5W	68W	69W
Lumens	17,215	18,809	18,234	14,082	15,111	14,816	9,946	10,415	10,384
Efficacy	131.7	149.8	141.1	137	152	145.7	143.1	153.2	150.5
CRI	82	86	85	83	86	85	83	86	85
Voltage Ratings					480V				

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ORDERING MATRIX

WPX

Family	Wattage	Color Temperature	Finish	Voltage	Options
WPX					

Family	Wattage	Color Temperature		Finish		Voltage		Options	
	1 30/20/15W	**BLANK**	3000/4000/5000K CCT Adjustable	**BLANK**	Bronze	**BLANK**	120-277V, 0-10V Dimming	**BLANK**	Selectable On/Off Photocell
	2 80/60/40W			**W**	White	**/480** [1]	480V, 0-10V Dimming	**/MVS**	Microwave Occupancy Sensor
	3 130/100/65W							**/LCB** [2]	Lightcloud Blue Enabled
								/LC	Lightcloud Controller
								/E [3]	Battery Backup
								/MVS/E [3]	Microwave Occupancy Sensor w/Battery Backup
								/LCB/E [3]	Lightcloud Blue Enabled w/ Battery Backup
								/LC/E [3]	Lightcloud Controller w/ Battery Backup

[1] 480V available only in WPX2 and WPX3 models
[2] /LCB option available only for 120-277V models
[3] Battery backup available only for WPX2 and WPX3 in 120-277V models